

optical axis with respect to the affected part is completed when the aiming beam forms a predetermined shape in the inside of the patient's eye;

a1 image pickup means including an image pickup optical system for imaging an area including the affected part in the inside of the patient's eye;

detection means for detecting a spot image of the aiming beam from an image picked-up by the image pickup means;

and

determining means for determining a sighting state in the optical axis direction with respect to the affected part based on a result detected by the detection means.

2. (Amended) The laser treatment apparatus according to claim 1 further including observation means including a display for displaying the image picked up by the image pickup means on the display.

3. (Amended) The laser treatment apparatus according to claim 2 further including display control means for causing the display to display a determination result by the determination means.

4. (Amended) The laser treatment apparatus according to claim 2 further including movement means for moving a sighting point in the optical axis direction with respect to the affected part; and

display control means for causing the display to display a direction in which the sighting point is to be moved by the movement means based on the determination result by the determination means.

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a2 6. (Amended) The laser treatment apparatus according to claim 1 further including movement means for moving a sighting point in the optical axis direction with respect to the affected part; and

movement control means for controlling the movement means based on the determination result by the determination means.

62 7. (Amended) The laser treatment apparatus according to claim 1, further including:

movement means for moving a sighting point in the optical axis direction with respect to the affected part; and

movement control means for controlling the movement means based on an instruction to start automatic sighting.

8. (Amended) The laser treatment apparatus according to claim 1, wherein the second irradiation optical system includes an optical system for delivering a plurality of aiming beams which are symmetrical about an optical axis into the patient's eye so that the aiming beams coincide with each other at a focus point of the treatment laser beam, and the determination means determines the sighting state based on at least one of an overlapping condition of the images of the plurality of aiming beams and a size of overlapped spot images.

9. (Amended) The laser treatment apparatus according to claim 1, wherein the second irradiation optical system includes an optical system for delivering the aiming beam into the patient's eye so that the aiming beam focuses on a focus point of the treatment laser beam, and the determination means determines the sighting state based on one of a spot diameter and a size of the spot image of the aiming beam.

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REMARKS

Claims 1-10 are pending. By this Amendment, claims 1-4 and 6-9 are amended. No new matter is added.